

EROSION, SEDIMENTATION AND POLLUTION CONTROL GENERAL NOTES

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	STP-2928(1)	276	324

Revised January 8, 2007

ESPCP GENERAL NOTES:

The Erosion Sedimentation and Pollution Control Plan (ESPCP) is provided by the Department. If the Contractor elects to alter the stage construction from that shown in the plans, and the Engineer approves the request, it will be the responsibility of the contractor to revise the ESPCP to reflect all changes in staging. This will also include any revisions to erosion and sedimentation control item quantities. Major modification or deletion of specified structural BMP's that are specified in the ESPCP will require a formal revision of the ESPCP and the signature of a GSWCC level II design professional. Additional BMP's may be added as directed by the Engineer.

SILT FENCE INSTALLATIONS WITH J-HOOKS AND SPURS

Silt fence should never run continuous without J-Hooks or spurs. The silt fence should turn back into the fill or slope to create small pockets that trap silt and force stormwater to flow through the silt fence. This technique or configuration is commonly referred to as J-Hooks or spurs. The J-Hooks or Spurs shall be installed on all silt fences that are located around the perimeter of the project and along the toe of embankments or slopes. The J-hooks and Spurs shall be spaced in accordance with the Typical Location Details for Silt Fences / Baled Straw. Spacing for J-Hooks or Spurs shall not be less than 50 feet except as noted. Silt fences that are near the outlet of culverts, cross drains, and storm drains shall have a minimum of 3 J-Hooks or Spurs on both sides of the structure at spacing not to exceed 30 feet. J-Hooks or spurs shall be paid for as silt fence items per foot. All costs and other incidental items are included in cost of installing and maintaining the silt fence.

MAINTENANCE AND STABILIZATION MEASURES

All structural BMP's shall be maintained in accordance with the contract documents. All sediment control devices (except sediment basins) installed on a project shall as a minimum, be cleaned of sediment when one-half the capacity, by height, depth, or volume has been reached. Sediment basins shall be cleaned of sediment when one-third the capacity by volume has been reached.

As a minimum the Contractor shall complete the permanent grassing, or temporary grassing, or mulching, as appropriate and in accordance with contract documents, on all cut and fill slopes on a weekly basis during grading operations, except projects with a total of 3 acres or less of grassing may be treated every two weeks. When conditions warrant, the Engineer may require more frequent intervals for this work. It is extremely important to get a stabilizing cover in place, whether it is mulch, temporary grass or permanent grass. Adequate mulch is a must.

When grading operations or other soil disturbing activities have been suspended, for whatever reason, the Contractor shall promptly perform needed grassing work and/or erosion control work as shown in the plans, submitted by the Contractor or as directed by the Engineer.

Temporary grass shall be used when required by the contract documents or as directed by the Engineer to control erosion in areas where permanent grassing cannot be planted. Temporary grass shall be used where an area must be protected for longer than mulch is expected to last which is 60 calendar days. After 60 calendar days, areas with only mulch shall be planted with temporary grass and mulched again.

Temporary grass shall be a quick growing species suitable to the area and season. Seeds shall conform to the requirements of contract documents. Seeding shall be done in accordance with the requirements of the contract documents, except that ground preparation shall be the minimum required to provide a seed bed where further grading will be required. Areas that require no further grading shall be prepared in accordance with the contract documents. Lime shall be omitted unless the area will later be planted in permanent grass without further grading; in which case, lime will be applied according to the contract documents, mixed grade fertilizer shall be applied at the rate of 400 pounds per acre. Nitrogen shall be omitted. All temporary grass shall be mulched in accordance with contract documents.

All areas where temporary grass has been planted shall be prepared in accordance with contract documents prior to planting permanent grass.

Where staged construction (or other conditions not controlled by the Contractor) prohibits the completion of a roadway section in a continuous manner, the Contractor shall apply mulch to control erosion for a period of 60 calendar days or less. After 60 calendar days, areas stabilized with only mulch shall be planted with temporary grass and mulched again.

Mulch shall be applied and uniformly spread in accordance with contract documents.

When grassing operations begin, mulch shall be left in place and plowed into the soil during the process of seedbed preparation, thereby becoming beneficial plant food for the newly planted grass. Mulch required for protection of newly planted grass shall be in addition to the mulch specified herein.

WASTE DISPOSAL

Solid materials, including building materials, shall not be discharged to waters of the state, except as authorized by a Section 404 Permit.

INSPECTIONS

All inspections shall be documented on form DOT-EC-1.

Daily:

Daily inspections shall be conducted by the Worksite Erosion Control Supervisor (WECS) or qualified personnel on the following areas:
a. Petroleum product storage, usage and handling areas
b. All locations where vehicles enter/exit the site
c. Measure rainfall once each twenty four hour period at the site

Weekly and after Rainfall Events:

The following areas shall be inspected by the WECS or qualified personnel every seven (7) calendar days and within twenty-four (24) hours of the end of a rainfall event that is 0.5 inches or greater:
a. Disturbed areas not permanently stabilized
b. Material storage areas.
c. Structural control measures (BMP's)

Within 7 calendar days after the initial installation of the erosion control devices required by the erosion control plan, the Engineer shall inspect the installation and condition of each device. This inspection shall be performed for each stage of construction when new devices are installed. All deficiencies shall be reported in writing to the Contractor and corrections shall be made within two business days.

Monthly:

Once per month, the WECS or qualified personnel shall inspect all areas where final stabilization has been completed. These areas shall be inspected for evidence of sediments or pollutants entering the drainage system and or receiving waters. Any erosion control devices that remain in place shall be inspected to verify the maintenance status and that the devices are functioning properly. These inspections shall continue until the Notice of Termination is submitted. Failure to perform inspections as required by the contract documents and the NPDES permit shall result in the cessation of all construction activities with the exception of Traffic Control and Erosion Control. Continued failure to perform inspections shall result in non-refundable deductions as specified in the contract documents.

NON-STORM WATER DISCHARGES

Non-storm water discharges as defined in Part III.A.2 of the NPDES Permit will be identified after construction has commenced and shall be subject to the same requirements as storm water discharges as required by the Georgia Erosion and Sedimentation Control Act, the NPDES Permit, the Clean Water Act, the Manual For Erosion and Sediment Control in Georgia, Department Standards, and contract documents.

PETROLEUM SPILLS & LEAKS

Any leaks or spills of petroleum products will be the responsibility of the contractor to contain, control, and remediate in accordance with all local, state and federal guidelines, ordinances, and laws.

Control of Pollutants: Pollutants or potentially hazardous materials, such as fuels, lubricants, lead paint, chemicals or batteries, shall be transported, stored and utilized in a manner to prevent leakage or spillage into the environment. The Contractor shall also be responsible for proper and legal disposal of all such materials. Equipment, especially concrete or asphalt trucks, shall not be washed or cleaned out on the Project except in areas where unused product contaminants can be prevented from entering waterways.

OTHER CONTROLS

The contractor shall follow this ESPCP and ensure and demonstrate compliance with applicable State and/or local waste disposal, sanitary sewer or septic system regulations.

SEDIMENT BASINS

below:
Sediment basins will be utilized at all outfall locations except as noted

Sta 59+50 RT: A Sediment Basin is not used at this location. The disturbed area within the drainage area is 0.13 acres. The disturbance activities consist of clearing, grading, excavating, filling and transporting. BMP's as shown on the erosion control plans will be adequate to control sediment runoff at this location. Land disturbance activities associated with constructing and removing a sediment basin at this location would cause additional adverse impacts.

Sta 68+50 RT: A Sediment Basin is not used at this location. The disturbed area within the drainage area is 0.59 acres. The disturbance activities consist of clearing, grading, excavating, filling and transporting. BMP's as shown on the erosion control plans will be adequate to control sediment runoff at this location. Land disturbance activities associated with constructing and removing a sediment basin at this location would cause additional adverse impacts.

Sta 68+80 RT: A Sediment Basin is not used at this location. The disturbed area within the drainage area is 0.74 acres. The disturbance activities consist of clearing, grading, excavating, filling and transporting. BMP's as shown on the erosion control plans will be adequate to control sediment runoff at this location. Land disturbance activities associated with constructing and removing a sediment basin at this location would cause additional adverse impacts.

		DATE	REVISIONS	DATE	REVISIONS	GEORGIA DEPARTMENT OF TRANSPORTATION EROSION CONTROL PROJECT STP-2928(1) COUNTY TROUP	